

CLAIMS

5 WE CLAIM:

1. An isolated polynucleotide comprising a nucleotide sequence selected from the group consisting of SEQ ID NO: 4, 14, 27, 159, 185, 214, 240, 271, 301, 322, 347, 354, or 377 or the mature protein coding portion thereof.

10 2. An isolated polynucleotide encoding a polypeptide with biological activity, said polynucleotide having greater than about 99% sequence identity with the polynucleotide of claim 1.

15 3. The polynucleotide of claim 1 which is a DNA sequence.

4. An isolated polynucleotide which comprises the complement of the polynucleotide of claim 1.

20 5. An isolated polypeptide comprising an amino acid sequence which is at least 99% identical to the amino acid sequence selected from the group consisting of SEQ ID NO: 5, 15, 28, 160, 186, 215, 241, 272, 302, 323, 348, 355, or 378.

6. A polynucleotide encoding a polypeptide according to claim 5.

25 7. A nucleic acid array comprising the polynucleotide of claim 1 attached to a surface.